

WHAT IS CLAIMED IS:

1. An elevator noise and vibration isolation system comprising: an elevator component; a second component; at least one vibration isolator being positioned between said elevator component and said second component; and each said vibration isolator having a plurality of layers with at least one layer being a hard layer and at least one layer being a soft layer.
2. An elevator noise and vibration isolation system according to claim 1, wherein said elevator component comprises an elevator cab, said second component comprises a slide guide rail, and at least one layered vibration isolators being connected to said guide rail and to said elevator cab.
3. An elevator noise and vibration isolation system according to claim 1, wherein said elevator component comprises an elevator cab, said second component comprises a frame, and said at least one vibration isolator is incorporated into a cab steadier which is connected to said cab and contacts and moves along said frame.
4. An elevator noise and vibration isolation system according to claim 1, wherein said elevator component comprises an elevator cab, said second component comprises an elevator frame, and said at least one vibration isolator is positioned between and connected to said cab and said frame.
5. An elevator noise and vibration isolation system according to claim 1, wherein said elevator component comprises an elevator cab, said second component comprises a cab steadying system having a plurality of roller guide elements and said at least one vibration isolator comprising a plurality of layered

vibration isolators with each said vibration isolator being positioned between a support for a respective roller guide element and a connection to the elevator cab.

6. An elevator noise and vibration isolation system according to claim 5, further comprising an additional layered vibration isolator between said connection and said elevator cab.

7. An elevator noise and vibration isolation system according to claim 1, wherein said elevator system component comprises a frame, said second component comprises a hitch plate to which at least one rope is connected, and a layered vibration isolator positioned between and connected to said frame and said hitch plate.

8. An elevator noise and vibration system according to claim 1, wherein said elevator component comprises a sheave, said second component comprises a support structure, and said at least one layered vibration isolator is positioned between said support structure and a mounting bracket for said sheave.

9. An elevator noise and vibration system according to claim 1, wherein said elevator component comprises a powered sheave having a driven rotating shaft, said second component comprises a support structure, and said at least one layered vibration isolator is positioned between a bearing surrounding said shaft and said support structure.

10. An elevator noise and vibration system according to claim 1, wherein each said vibration isolator has a plurality of hard layers and a plurality of soft layers and said hard layers and said soft layers are alternating.

11. An elevator noise and vibration system according to claim 10, wherein each said hard layer is formed from at least one material selected from the group consisting of a metallic material and a dense material and each said soft layer is formed from at least one material selected from the group consisting of synthetic rubber, natural rubber, and a silicon elastomeric material.

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